



2012 - 2018



THE UNIVERSITY
of EDINBURGH

MOOCS

MASSIVE OPEN ONLINE COURSES

Studying MOOCs at University of Edinburgh

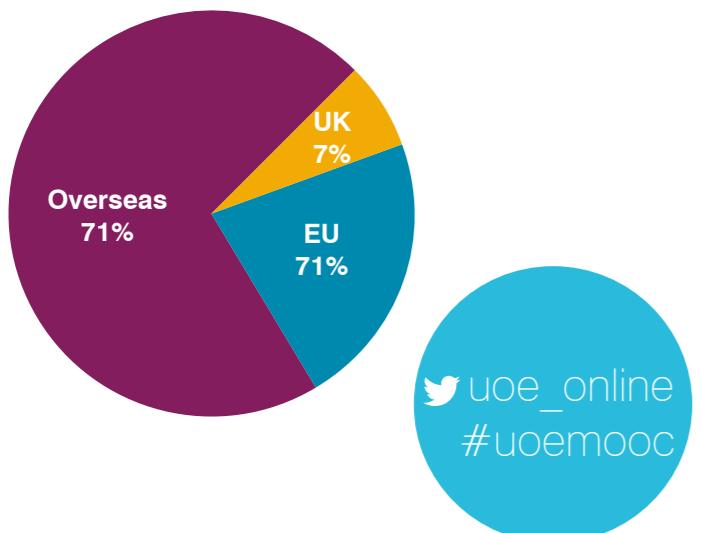
www.ed.ac.uk/studying/moocs

Number of MOOC courses: **50**

Platforms: **FutureLearn, Coursera, EdX**

Total number of learners: **2,453,722**

MOOC learners by domicile



The portfolio of massive open online courses (MOOCs) from the University of Edinburgh is impressive. Over several years the range and reach of our shared knowledge has grown, with more than 2 million learners from across the globe choosing to learn online and engage with our content.

The success of this initiative is due to the hard work, enthusiasm and vision from teams across the University schools and colleges as well as strategic leadership in thinking about digital transformation and how higher education institutions can make best use of the Web.

The University has developed partnerships with the providers of international platforms and with other universities and cultural organisations to bring a richness and diversity to the courses. We have seen benefits from those partnerships in two-way engagement to learn and share emerging practice. The University MOOCs have led the way in developing new pedagogies for public engagement, knowledge exchange and research dissemination.

Melissa Highton | Assistant Principal Online Learning

The Truth about Cats and Dogs



"Great course! Strongly recommend to everyone, who is interested in cats and dogs behaviour"

Understanding Obesity



"Really useful and interesting approach of the psychology and biology of obesity! Thanks a lot!"

Sit Less, Get Active



"In fact the course has changed me a lot and I have implemented it as it is. Thank you."

Research Data Management and Sharing



"Well presented with interesting case studies to complement the theoretical content. Practical information for the 'how to' of research data management and an excellent introduction to digital preservation."

AstroTech: The Science and Technology behind Astronomical Discovery



"Good and Interesting course, specifically about the Technology used for Astronomy".

Philosophy, Science and Religion: Science and Philosophy



"New knowledge, new optic, new field of thinking. Very good course."

Intellectual Humility: Theory



"I think this is a course for our time. Given the lack of civil engagement and thoughtful expressions of opinion."

Animal Behaviour and Welfare



"This course was very interesting, insightful and often surprising. It was fascinating to learn how much the welfare challenges depend on the species and the individual circumstances and to see how different research approaches are used to identify those challenges and improve animal's living conditions. Thanks to the team for this engaging introduction to a complex topic!"

#uoemoooc

Introduction to Philosophy



479,237
learners

3,333
certificates sold

This course will introduce you to some of the main areas of research in contemporary philosophy.

Philosophers will talk you through some of the most important questions and issues in their area of expertise. We'll begin by trying to understand what philosophy is – what are its characteristic aims and methods, and how does it differ from other subjects?

Academics involved

Instructors: Dr Dave Ward, Prof Duncan Pritchard, Prof Michela Massimi, Dr Suilin Lavelle, Dr Matthew Chrisman, Dr Allan Hazlett, Dr Alasdair Richmond

Teaching Staff: Nick Daniels, Simon Fokt, Jie Gao, Silvan Wittwer, Katy Mcleod, Rosa Hardt, Di Yang, Stephen Ryan, Jamie Collin, Ben Sworn

Platform: Coursera

“The best thing about my MOOC course was meeting Daniel, an autistic teenager. Daniel would find it extremely difficult to study in a traditional classroom setting, and it was so special to see how online learning opened up a new world for him, and us.

Dr Suilin Lavelle

School of Philosophy, Psychology and Language Sciences

The Introduction to Philosophy course was translated into Chinese in 2016.

Philosophers will talk you through some of the most important questions and issues in their area of expertise. We'll begin by trying to understand what philosophy is – what are its characteristic aims and methods, and how does it differ from other subjects?

Academics involved

Instructors: Dr Dave Ward, Prof Duncan Pritchard, Prof Michela Massimi, Dr Suilin Lavelle, Dr Matthew Chrisman, Dr Allan Hazlett, Dr Alasdair Richmond

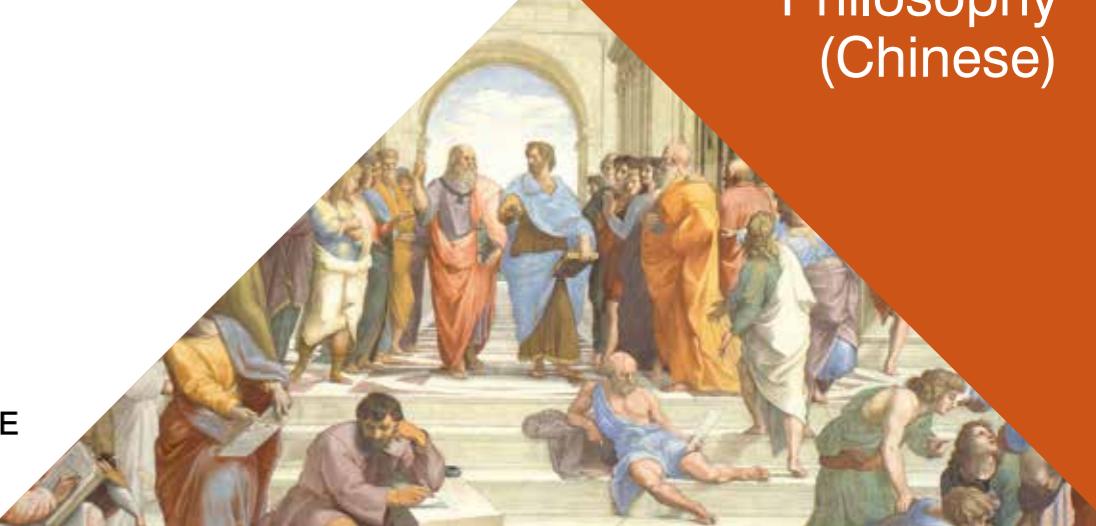
Teaching Staff: Nick Daniels, Simon Fokt, Jie Gao, Silvan Wittwer, Katy Mcleod, Rosa Hardt, Di Yang, Stephen Ryan, Jamie Collin, Ben Sworn

Platform: Coursera

13,015
learners

131
certificates sold

Introduction to Philosophy (Chinese)



Astrobiology and the Search for Extraterrestrial Life



School of Physics and Astronomy

Learn about the origin and evolution of life and the search for life beyond the Earth.

Academic involved

Instructor:
Prof Charles Cockell
Teaching Staff: Jesse Harrison,
Casey Bryce

Platform: Coursera

135,554
learners

1048
certificates sold

“ The opportunity to teach the same number of people astrobiology that is equivalent to 850 years intake of my undergraduate astrobiology course.

Prof Charles Cockell



School of Informatics

The course aims to provide a foundation in artificial intelligence techniques for planning, with an overview of the wide spectrum of different problems and approaches, including their underlying theory and their applications.

Academics involved

Instructors: Prof Austin Tate,
Dr Gerhard Wickler
Teaching Staff: Miles Gould,
Punyauch Borwarnginn,

Guest Lecturers: Prof. Nils Nilson (Stanford University, USA), Dr. David Wilkins (SRI International, USA), Prof. Jörg Hoffmann (University of Saarland, Germany), Dr. Brad Clement (NASA JPL, USA), Dr. Alex Champandard (AiGameDev, Austria), Dr. Arturo Gonzalez-Ferrer (University of Granada, Spain and University of Haifa, Israel)

Platform: Coursera

113,565
learners



Artificial Intelligence

“ The whole framework of it was definitely conceived as, and run as, a community of people interested in a common topic, and working together and exploring that space together. I was trying to reach different communities, and not just those interested in programming.

Prof Austin Tate



E-learning & Digital Cultures



Moray House School of Education

E-learning and Digital Cultures is aimed at teachers, learning technologists, and people with a general interest in education who want to deepen their understanding of what it means to teach and learn in the digital age.

The course is about how digital cultures intersect with learning cultures online.

Academics involved

Instructors: Prof Sian Bayne, Dr Jeremy Knox, Dr Hamish Macleod, Dr Jen Ross, Dr Christine Sinclair

Teaching Staff: Hadi Mehrpouya, Assem Berniyazova

Platform: Coursera

94,132
learners

“ It was one of the most exhilarating, most fun and most far-reaching bits of teaching I've ever done!

Prof Sian Bayne

Royal (Dick) School of Veterinary Studies

This course is designed to provide knowledge of equine digestion and nutrition with emphasis placed on the health and welfare issues surrounding the inclusion of various types of feedstuffs in equine diets.

Students should feel better equipped to make judgements on rations for horses and ponies, in health and disease.

Equine Nutrition



Academics involved

Instructors: Dr Andrea Ellis, Dr Jo-Anne Murray

Teaching Staff: Anna Bergenstrahle, Sheena Brown, Zoe Penman

Platform: Coursera

52,994
learners

896
certificates sold

School of Biomedical Sciences

In this course you will develop and enhance your ability to think critically, assess information and develop reasoned arguments in the context of the global challenges facing society today.

Possible solutions to global issues such as these are hotly debated, and give the perfect setting to practice recognizing and evaluating facts, ideas, opinions and arguments.

Academics involved

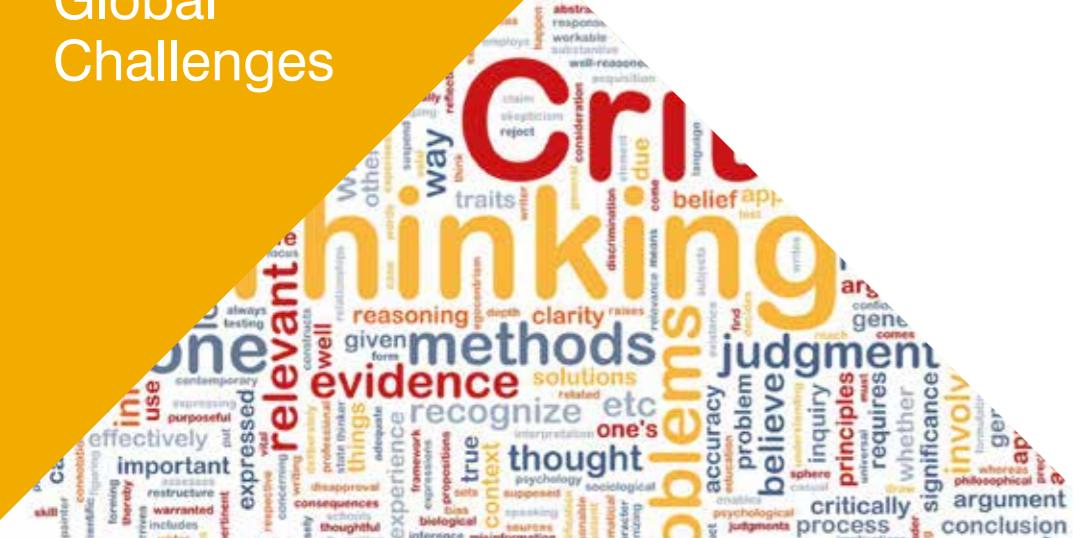
Instructors: Prof Mayank Dutia,
Dr. Celine Caquineau,
Dr John Menzies, Dr Richard
Hilne, Dr Kim Picozzi

Teaching Staff: Abby Shovlin,
Jenna Mann, Ric Lander

Platform: Coursera

220,588
learners

1,029
certificates sold



media hopper
CREATE



School of Physics and Astronomy

The discovery of a new fundamental particle at the Large Hadron Collider (LHC), CERN is the latest step in a long quest seeking to answer one of physics' most enduring questions: why do particles have mass?

The experiments' much anticipated success confirms predictions made decades earlier by Peter Higgs and others, and offers a glimpse into a universe of physics beyond the Standard Model.

Academics involved

Instructors: Dr Luigi Del Debbio,
Dr Christos Leonidopoulos

Teaching Staff: James Cockburn, Eliana Lambrou, Andreas Søgaard, Iwan Smith, Xanthe Hoad, Tracey Friday, Timothy Bristow, Paul Glaysher, Konstantina Zerva, Gordon Clayton, Dianne Ferguson, Christopher Deans

Platform: FutureLearn

31,247
learners

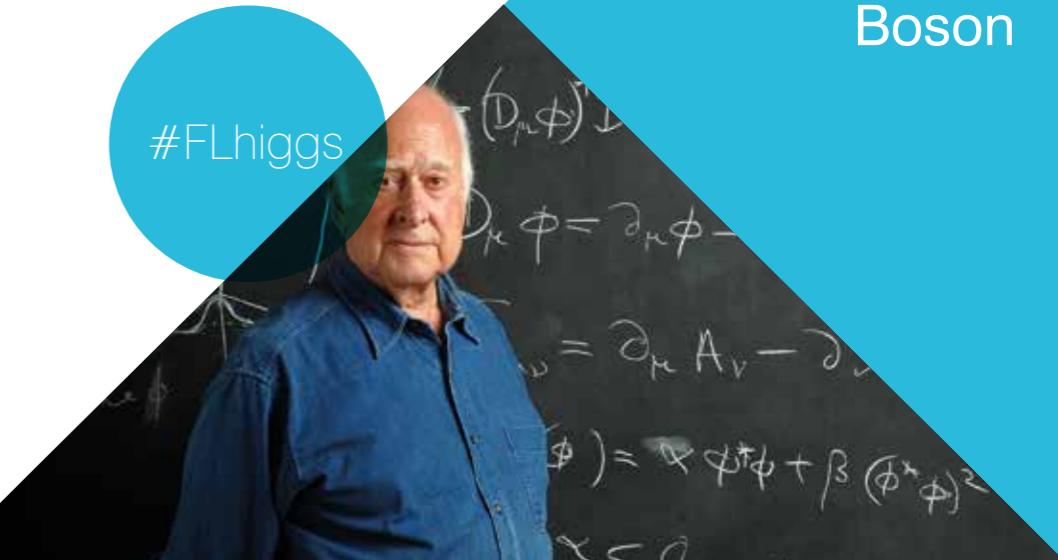
31,247 learners

“ Professor Higgs’ research has provided us with profound insight into the building blocks of the Universe and this course will allow anyone with a computer and access to the web to take part in the exciting and revolutionary times that we live in.

Prof Arthur Trew



The Discovery of the Higgs Boson



Moray House School of Education

Explore the role of football in the world today - including finances, clubs, nations and rivalries.

From street soccer to multi-million dollar transfers, from the beaches of Brazil to the fight against poverty and inequality in Africa, this free online course looks beyond the pitch, to explore football's role in society today.

Football: More than A Game



Academics involved

Instructors: Prof. Grant Jarvie, Neil Speirs, Mark Johnson, Daniel Gerrard, Neil Rankin

Teaching Staff: Sally Anderson, Dan Gerrard, Mark Johnson,

Platform: FutureLearn

26,120
learners 202
certificates sold

“ We were fortunate enough to include well known people from the world of football, such as Alan Hansen, but what was refreshing about the MOOC was its international reach.

Prof Grant Jarvie



School of Physics and Astronomy

An overview of the technology that astronomers use to collect and measure light from the universe and how it is used in practice.

Each week we will cover a different aspect of Astronomical technology, matching each piece of technology to a highlight science result. We will explain how the technology works, how it has allowed us to collect astronomical data, and, with some basic physics, how we interpret the data to make scientific discoveries.

Academics involved

Instructors: Prof Andy Lawrence, Dr Catherine Heymans

Teaching Staff: Beth Biller, Nathan Bourne, Alastair Bruce, Andrew Davis, Patrika Dayal, Duncan Forgan, Richard George, Cassandra Hall, Shaghayegh Parsa, Lee Patrick, Rosie Shanahan, Vanessa Smer

Platform: Coursera

33,995
learners 485
certificates sold

“ The first run of the course was in April 2014, with 21,000 students participating. It was hard work to put together, but one of the most exciting things we have ever done - the buzz on the Forum was wonderful, and so many people seemed so grateful.

Prof Andy Lawrence,
Dr Catherine Heymans



AstroTech: The Science and Technology behind Astronomical Discovery



Philosophy and the Sciences



Philosophy, Psychology and Language Sciences

Learn about the historical and philosophical foundations of contemporary science.

What is the origin of our universe? What are dark matter and dark energy? What is our role in the universe as human agents capable of knowledge? What makes us intelligent cognitive agents seemingly endowed with consciousness?

Philosophy and the Sciences, became a 2-part course in 2017. Philosophy and the Sciences: Introduction to the Philosophy of Physical Sciences and Philosophy and the Sciences: Introduction to the Philosophy of Cognitive Sciences. Both highly successful courses in Coursera On Demand.



Academics involved

Instructors: Prof Michela Massimi, Dr Alasdair Richmond, Dr Suilin Lavelle, Dr David Carmel, Dr Mark Sprevak, Prof Duncan Pritchard, Prof Andy Clark, Prof John Peacock, Prof Barbara Webb, Dr Kenny Smith, Dr Peggy Series

Teaching Staff: Jamie Collin, Laura Jimenez

Platform: Coursera

81,503
learners 558
certificates sold

“ Exploring interdisciplinary boundaries and cross fertilisation between sciences and humanities.
Dr Michela Massimi



#philsci
philscimooc

Philosophy, Psychology and Language Sciences

What is our role in the universe as human agents capable of knowledge? What makes us intelligent cognitive agents seemingly endowed with consciousness?

This is the second part of the course 'Philosophy and the Sciences', dedicated to Philosophy of the Cognitive Sciences. Scientific research across the cognitive sciences has raised pressing questions for philosophers. The goal of this course is to introduce you to some of the main areas and topics at the key juncture between philosophy and the cognitive sciences. Areas you'll learn about will include: Philosophy of psychology, among whose issues we will cover the evolution of the human mind and the nature of consciousness. Philosophy of neurosciences, where we'll consider the nature of human cognition and the relation between mind, machines, and the environment.



Academics involved

Instructors: Prof Michela Massimi, Dr Alasdair Richmond, Dr Suilin Lavelle, Dr David Carmel, Dr Mark Sprevak, Prof Duncan Pritchard, Prof Andy Clark, Prof John Peacock, Prof Barbara Webb, Dr Kenny Smith, Dr Peggy Series

Teaching Staff: Jamie Collin, Laura Jimenez

Platform: Coursera

13,701
learners 257
certificates sold



Philosophy and the Sciences: Introduction to the Philosophy of Cognitive Sciences

Philosophy and the Sciences: Introduction to the Philosophy of Physical Sciences



#philsci
philscimooc

What is the origin of our universe? What are dark matter and dark energy?

This is the first part of the course 'Philosophy and the Sciences', dedicated to Philosophy of the Physical Sciences. Scientific research across the physical sciences has raised pressing questions for philosophers. The goal of this course is to introduce you to some of the main areas and topics at the key juncture between philosophy and the physical sciences. We'll consider questions about the origin and evolution of our universe, the nature of dark energy and dark matter and the role of anthropic reasoning in the explanation of our universe.



Academics involved

Instructors: Prof Michela Massimi, Dr Alasdair Richmond, Dr Suilin Lavelle, Dr David Carmel, Dr Mark Sprevak, Prof Duncan Pritchard, Prof Andy Clark, Prof John Peacock, Prof Barbara Webb, Dr Kenny Smith, Dr Peggy Series

Teaching Staff: Jamie Collin, Laura Jimenez

Platform: Coursera

9,262 learners 165 certificates sold

“ Exploring interdisciplinary boundaries and cross fertilisation between sciences and humanities.

Dr Michela Massimi



Philosophy, Psychology and Language Sciences

Philosophy, Science and Religion mark three of the most fundamental modes of thinking about the world and our place in it.

Are these modes incompatible? Put another way: is the intellectually responsible thing to do to 'pick sides' and identify with one of these approaches at the exclusion of others? Or, are they complementary or mutually supportive? In this first course we will ask important questions about the nature of scientific knowledge, its limits and implications for the disciplines of philosophy and religion, as well as for their intersection. We will also be exploring in some detail current and exciting questions about the relationship between physics and faith, science and pseudoscience, creationism and evolutionary biology.

Academics involved

Instructors: Professor Duncan Pritchard, Dr. Mark Harris, Dr. Adam Carter, Dr. Orestis Palermos, Dr. Mog Stapleton

Guest lecturers: Professor Martin Kusch, Dr. Michael Murray, Professor Conor Cunningham

Platform: Coursera

13,521 learners 241 certificates sold

“ One of the most satisfying aspects of developing the 'Philosophy, Science and Religion: Science and Philosophy' MOOC for me was that the entire production was centred around thoughtful engagement with some of the most fundamental questions one can ask.

Dr. Adam Carter



Philosophy, Science and Religion: Science and Philosophy

#philsci
philscimooc



Philosophy, Science and Religion: Philosophy and Religion



#philsci
philscimooc

The second of three related courses in our Philosophy, Science and Religion Online series, and in this course we will ask important questions about the age-old debate between science and religion, such as:

- What kind of conflicts are there between religion and science?
- Does current cognitive science of religion effectively explain away God?
- If there is a God who has made us so that we can know him, why do some people not believe?
- Is belief in science also a kind of fundamentalism?
- What makes us good at getting, giving, or sharing, knowledge?
- Is this different when it is religious knowledge?

media hopper
CREATE CC BY

Academics involved

Guest lecturers: Dr. Sarah Lane Ritchie, Professor John Evans, Professor John Greco, Professor John Schellenberg, Dr. Rik Peels, Dr. Mark Alfano

Platform: Coursera

4,779
learners

62
certificates sold

“One of the best aspects of creating a MOOC is how it forces one to think again about how best to teach introductory material, no matter how many times one has taught this material before in a normal classroom

Professor Duncan Pritchard

media hopper
CC BY CREATE

Academics involved

Guest lecturers: Professor Tim Maudlin, Professor Graham Priest, Professor Al Mele, Dr. Kevin Scharp, Dr. Bethany Sollereder, Professor David Clough

Platform: Coursera

Philosophy, Psychology and Language Sciences

The third of our Philosophy, Science and Religion Online series, this course takes learners on a journey through common themes in religion and science and considers how each addresses certain fundamental questions.

Guest lecturers discuss questions about the Origins of the Universe, Buddhism and Science, Science and Free Will, and Science, Religion and Ethics.

Philosophy, Science and Religion: Religion and Science

“I've always suspected that the intersection between Philosophy, Science and Religion was pretty special, but it was in collaborating on the MOOC with colleagues from very different disciplines to me that showed me how much it tugs at the roots of being human in this universe.

Dr. Mark Harris



#philsci
philscimooc

Animal Behaviour and Welfare



#edaniwelf
 JMICAWE

Royal (Dick) School of Veterinary Studies

Animal welfare has been described as a complex, multi-faceted public policy issue which includes important scientific, ethical, and other dimensions.

Improving our understanding of animal welfare, involves the fascinating study of animal behaviour as well as the challenge of assessing the emotions of animals.

Academics involved

Instructors: Prof Nat Waran, Dr Fritja Langford, Heather Bacon, Hayley Walters, Dr Jill MacKay, Dr Susan Jarvis and Dr Vicki Sandilands

Platform: Coursera

95,056
learners 3,237
certificates sold

“ One of the stand-out successes of the course has been its engagement with veterinary staff, animal charity workers, government and business advisers and animal volunteers internationally to help foster their professional development.

Prof Nat Waran,
Dr Fritja Langford
and Dr Jill MacKay



Royal (Dick) School of Veterinary Studies

This course is for anyone interested in learning more about Veterinary Medicine, giving a ‘taster’ of courses covered in the first year of a veterinary degree and an idea of what it is like to study Veterinary Medicine.

Academics involved

Instructors: Dr Jessie Paterson, Kay Aitchison, Prof Susan Rhind, Dr Gurå Therese Bergkvist, Dr Rachel Whittington, Dr Catriona Bell, Dr Andrew Gardiner

Platform: Coursera

40,481
learners

992
certificates sold



EDIVET:

Do you have what
it takes to be a
veterinarian?

The Clinical Psychology of Children and Young People



A photograph of a child's hands and arms reaching for colorful plastic building blocks on a light-colored surface. A blue circular overlay contains the hashtag #clinpsymooc.

School of Health in Social Science

The course will cover the basic guiding principles of the Clinical Psychology of Children and Young People.

It will illustrate how theories of psychological development can be applied in understanding children and young people's mental health and well being within a wider societal and cultural context.

Academics involved

Instructors: Prof Matthias Schwannauer, Dr Stella Chan, Dr Emily Taylor, Dr Joanne Williams

Teaching Staff: Javita Narag, Laura MacLean, Alice Thomson, Sarah Brown, Jarek Lelonkiewicz, Kasia Banas, Susanna Johnstone, Claire Banga, Eilidh Smoth

Platform: Coursera

88,188
learners 1,575
certificates sold

“ Given the global outreach of our MOOC, we had the privilege to share our learners' cultural perspectives on mental health. It was eye opening.

Dr Stella Chan



Moray House School of Education

In this course you will refine your own understanding of 'sustainability' in light of the range of definitions, contexts and educational approaches that we will discuss.

Many issues threaten the future of ourselves and other species on the planet. The most prominent of these is dangerous global climate change; and this with the over-exploitation of our lands and seas, loss of biodiversity, and over-use of manufactured chemicals, affects the stability of the global systems upon which all life depends.

Academics involved

Instructors: Betsy King, Pete Higgins, Beth Christie

Teaching Staff: Chris Mackie, Rebekah Tauritz, Claire Ramajan, Sarah Hutcheon, Cosmo Blake

Platform: Coursera

13,998
learners 103
certificates sold



Learning for Sustainability



A close-up photograph of several green leaves with prominent veins, some overlapping, creating a textured and organic background.

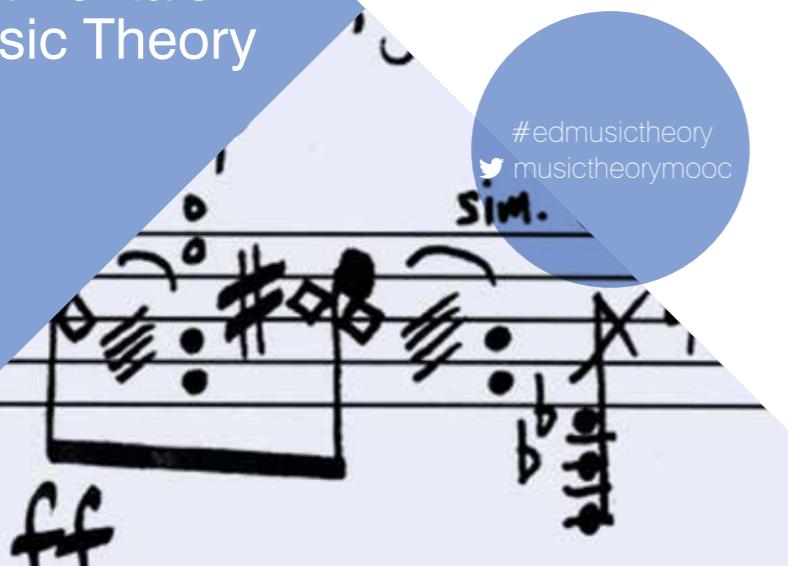
#lfsmooc
@lfsmooc

Edinburgh College of Art

This course will introduce students to the theory of music, providing them with the skills needed to read and write Western music notation, as well as to understand, analyse, and listen informedly.

This course is suitable for those who have never studied music academically. It will introduce you to the theory of Western music, providing you with the skills needed to read and write Western music notation, as well as to understand, analyse, and listen informedly.

Fundamentals of Music Theory



media hopper
CREATE

Academics involved

Instructors: Dr Michael Edwards, Dr Zack Moir, Richard Worth, Dr Nikki Moran, Dr John Philip Kitchen

Platform: Coursera

253,007 learners 1696 certificates sold

“ So rewarding and transforming - the team efforts behind the video lectures, the global impact, the connection with such diverse students.
Dr Nikki Moran

Edinburgh College of Art

An introduction to the life and work of Andy Warhol, one of the world's most famous artists, through exploration of five thematic framings of his life and career: celebrity, sex, money, death and time.

Academics involved

Instructors: Dr Glyn Davis
Teaching Staff: Victoria Horne, Ian Rothwell

Platform: Coursera

41,484 learners 160 certificates sold

“ The success of the Warhol MOOC - and the enthusiasm of those taking part - has been extraordinary. The participants are of all ages and backgrounds, and from all over the world.
Dr Glyn Davis

media hopper
CREATE



Warhol

School of Social and Political Science

Understand the Scottish independence poll, and the pros and cons of a 'Yes' or 'No' vote.

Academics involved

Instructors: Prof Charlie Jeffery, Dr Alan Convery, Prof Nicola McEwen

Teaching Staff: Cera Murtagh, Charlotte Snelling

Platform: FutureLearn

9,485
learners

“ We will place learners at the heart of the referendum question by examining arguments for and against independence, with lively debate guided by university academics. We will also ensure a distinct international dimension, by examining implications for other nations and regions whose populations have expressed desire for greater autonomy, including Catalonia, Flanders and Quebec.

Prof Charlie Jeffery



Towards Scottish Independence?
Understanding the Referendum

#edindyref

Centre for Integrative Physiology

Nudge-it is an multi-disciplinary European research project studying new ways of establishing and reinforcing healthy eating habits. Join us to learn about eating, appetite and obesity.

In this course we will discuss the facts and misconceptions around obesity, and the gaps in the scientific knowledge. We will describe new approaches to the treatment and prevention of obesity, and give you the opportunity to reflect on your own knowledge and assumptions around the causes of obesity.

Academics involved

Instructors: Dr John Menzies

Teaching Staff: Amy Warnock, Jorge Maicas, Catherine Humes

Platform: Coursera

26,841
learners

274
certificates sold

“ We used audio-only media in a recent MOOC to discuss finer aspects of the course material in what we hoped was an engaging and accessible way. These media were well-received by many students, who were able to access material outside the normal learning environment.

Dr John Menzies



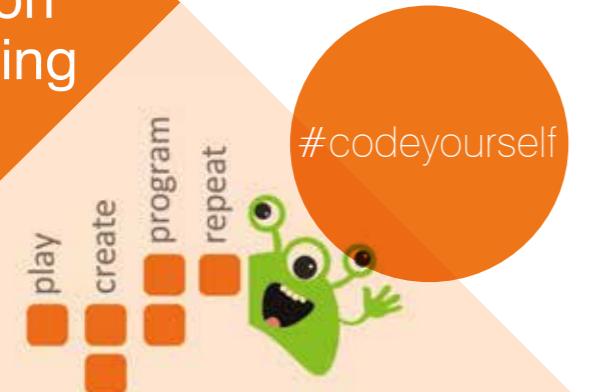
Understanding Obesity

#nudgeitmooc
#obesitymooc
nudgeit_



Code Yourself!

An Introduction to Programming



code yourself !

Have you ever wished you knew how to program, but had no idea where to start from?

This course will teach you how to program in Scratch, a visual programming language that is easy to use. You will learn the fundamentals of computing, allowing you to start thinking as a software engineer.

School of Informatics

Academics involved

Instructors: Dr Areti Manatakis,

Dr Inés Friss de Kereki

Teaching Staff: Liliana Pino,

Plinio Gañi, Victor Paulos,
Dave Cochran, Ludovica Luisa
Vissat, Hadi Mehrpooya, Sander
Keemink, María Astefanoaei

Platform: Coursera

124,139 learners
910 certificates sold

“ One of the success factors for this course has been the input that we've had from a wide range of people, from academics and teachers, to children, parents and code clubs. Reusing the MOOC material for new initiatives, such as the Code Yourself! workshop at the Edinburgh Science Festival, has also proved invaluable.

Dr Areti Manatakis



(First week only)



Academics involved

Instructors: Inés Friss de Kereki,

Areti Manatakis

Teaching Staff: Liliana Pino,

Plinio Gañi, Victor Paulos

Platform: Coursera

88,297 learners

348 certificates sold

School of Informatics

Have you ever thought about creating your own computer games, but had no idea how or where to start?

This course will teach you how to program in Scratch, a visual programming language that is easy to use. You will learn the fundamentals of computing, allowing you to start thinking as a software engineer.



¡a programar!

A Programar!
Una introducción
a la programación
(Spanish)

School of Social and Political Science

Learn about the UK's 2015 general election: how does the system work, what is at stake, and how will it affect you?

This course provides an overview of the United Kingdom's 2015 general election. Join us right up to and through election night as we explore the politics, issues and numbers that give British politics its enduring appeal.

Understanding the UK's 2015 General Election



Academics involved

Instructors: Dr Alan Convery

Teaching Staff:

Charlotte Snelling, Anthony Salamone, Francesco Bertoldi

Platform: Coursera

4,550
learners

“ We hope to encourage the kinds of online spaces that participants can both contribute to and take ownership of. Participatory practices and customs in the wider social web are integral to this approach, and we're interested in how the pedagogical modes operating within MOOC platforms can be productively extended to create more open learning spaces, integrating our work with public services and sites beyond the platform.

Prof Sian Bayne

media hopper
CREATE CC BY-SA

School of Molecular, Genetic and Population Health Sciences

Mental illness can affect anyone. It is an important cause of disability worldwide.

However the pathways to receiving adequate and humane mental health care vary within countries and between countries. This mental health inequity is a challenge to be explored and overcome in order to attain better health for all nations. Participating in this course is a step towards overcoming this global challenge.



8,462
learners

135
certificates sold

media hopper
CREATE CC BY

Mental Health: A Global Priority

Chicken Behaviour and Welfare



#chickenmooc
sruc

Royal (Dick) School of Veterinary Studies

The course looks at the behavioural and physiological indicators that can be used to assess welfare in chickens kept in hobby flocks through to commercial farms.

The course is likely to be of interest to people who own chickens as pets or keep a small hobby flock, commercial egg and chicken meat producers, veterinarians and vet nurses.



Academics involved

Instructors: Dr Victoria Sandilands
Teaching Staff: Laura Dixon

Platform: Coursera

24,720
learners

649
certificates sold



Academics involved

Instructors: Christine McLean,
A Morrison-Low
Teaching Staff: Kirke Kook,
Sheila Masson

Platform: Coursera

7,522
learners

71
certificates sold

“With increased learner autonomy and the very rapid growth of informal learning supported via MOOCs and Open Educational Resources (OERs). I am delighted by the way that my colleagues at Edinburgh have positioned us so very strongly in the use of these new approaches and in fundamental research on how we may best serve the learners of the future.

Prof Tim O'Shea

Moray House School of Education

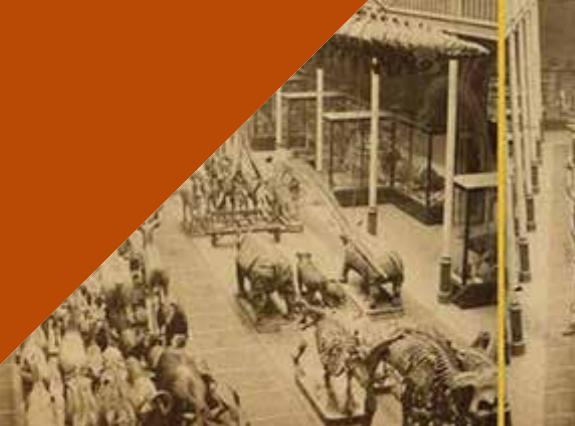
Explore the Victorian craze for photography and examine its history, from the earliest images in 1839.

This is a course aimed at introducing you to the history of photography in the 19th century. It combines theory with practice, giving you the option to respond to some of the iconic images we will explore, and to create and share your own images.



Photography: A Victorian Sensation

Stereoscopy: An introduction to Victorian Stereo Photography



#flstereoscopy

Moray House School of Education

Following its presentation to the world at the Great Exhibition in London in 1851, the stereoscope – a device that makes images appear 3D – mesmerised Victorians. Collecting and viewing stereo photographs became a craze.

This course explores how the stereoscope, originally created by inventor Sir Charles Wheatstone to investigate human binocular vision, was improved by scientist Sir David Brewster, to become a vital, elaborate drawing room essential.



National
Museums
Scotland

Academics involved

Instructors: Christine McLean
Teaching Staff: Sheila Masson

Platform: Coursera, FutureLearn

8,249
learners 68
certificates sold

“ Running a MOOC is a fantastic way of truly working ‘beyond the museum walls’, a key part of the remit of our Community Engagement team, a high impact project reaching a wide audience around the world. I feel the MOOC managed to raise awareness of our work, our collections and our expertise.

Christine McLean



Academics involved

Instructors: Helen Tibbo,
Sarah Jones

Teaching Staff: Kasha
Mammone, Cuna Ekmekcioglu,
Laine Ruus, Stuart Lewis, Kerry
Miller, Jonathan Crabtree,
Danianne Mizzy, Barrie Hayes,
Rocio von Jungenfeld, Pauline
Ward, Stuart Macdonald, Robin
Rice, Thu-Mai Christian, Rachel
Goatley, Sophia Lafferty-Hess

Platform: Coursera

8,591
learners 507
certificates sold

EDINA and Data Library

This course will provide learners with an introduction to research data management and sharing.

After completing this course, learners will understand the diversity of data and their management needs across the research data lifecycle, be able to identify the components of good data management plans, and be familiar with best practices for working with data including the organisation, documentation, and storage and security of data.

Research Data Management and Sharing



School of Social and Political Science

2016 was an exciting year for elections in the United Kingdom. There were elections to the Scottish Parliament and Welsh Assembly in May.

Both of these institutions have a significant impact on people's lives in Scotland and Wales: they control big public policy issues like health, education and transport.

Academics involved

Instructors: Alan Convery, Nicola McEwen, Charlie Jeffrey

Teaching Staff: Francesco Bertoldi, Anthony Salamone

Platform: FutureLearn

Scotland and
Wales Vote 2016:
Understanding
the Devolved
Elections



#swvote16

2,652
learners

11
certificates sold

School of Social and Political Science

The UK held a referendum on whether to stay in or to leave the European Union on 23 June 2016.

The EU can often be confusing and the UK's relationship with the EU over the years has been complicated. Join us as we explore one of the biggest decisions facing the UK in a generation.

Academics involved

Instructors: Anthony Salamone, Laura Cram, Charlie Jeffery

Platform: FutureLearn

10,790
learners

61
certificates sold

“ Our EU referendum MOOC enabled us to bring together academic insight and innovative learning techniques to explore complex topics, in real time, in an engaging and accessible way for our participants.

Anthony Salamone

Towards Brexit?
The UK's EU
Referendum



School of Molecular, Genetic and Population Health Sciences

Physical inactivity and sedentariness are “silent killers”.

Do you feel like you spend too much time sitting?
Do you feel like you would like to be more active?
Are you unsure about how to incorporate physical activity into your daily life? We are here to help.
Join us on a journey to learn on how to sit less, and become more active.

**Sit Less,
Get Active**

#getactivemooc


48,315 learners 184 certificates sold

 That learning experience was more precious than any knowledge I gained from a book, and I am grateful to people I spoke with for their trust.

Dr Danijela Gasevic



Business School

Want to learn practical marketing strategies and tools that enable enterprises to stand out in a competitive marketplace and how successful businesses use marketing to increase revenue, share and profitability?

In an increasingly competitive market, marketing skills are vital to help organizations stand out, win customers, build loyalty and sustain long term impact and returns.

Platform: Edx

42,721 learners 559 certificates sold

 Seeing the level of engagement globally in our Introduction to Marketing has been fantastic. It's really opened our eyes to what's possible and I'm sure is the start of a lot more online engagement for us as a School.

Jenny Britton



**Introduction
to Marketing:
Tools to Set
Enterprises Apart**

#mktg101x



Social Wellbeing



#flwellbeing

School of Social and Political Science

This MOOC will help you engage constructively in the wellbeing movement, and use wellbeing considerations to make important transformations to your work and your ways of planning, learning and justifying your decisions.

Since the financial crisis, there has been an increased interest in moving away from GDP and wealth as measures of national and individual performance. Instead, more explicit attention is being paid to wellbeing around the world, and how we can promote it at individual, local, national and international levels or impact.



Academics involved

Instructors: Elke Heins, Jan Eichhorn, Neil Thin

Teaching Staff: Christina McMellon, Ilona Suojanen

Platform: FutureLearn

9,509
learners

66
certificates sold

“ 4 years on, and stronger than ever before, it is clear the benefit of engaging with MOOCs is far greater than just reaching globally; it provides us with reach to impact learning, teaching and research locally too.

Amy Woodgate, Project Manager



Royal (Dick) School of Veterinary Studies

The Dog and Cat MOOC is an On-Demand course divided into five topics, covering the history, behavioural ecology, behaviour and physiology, behaviour management methods, welfare issues, dealing with problem pets and the use of dogs and cats for therapy.

It also incorporates a novel 'Science You Can Try' theme with videos demonstrating safe and welfare-friendly practical demonstrations of animal science, some of which can be conducted at home to enable viewers to learn more about animal behaviour and welfare (e.g. slow blinking cats and Yawning dogs).

Academics involved

Instructors: Hayley Walters, Heather J Bacon, Natalie Waran, Amy Miele, Louise Connolly

Platform: Coursera

8,491
learners

189
certificates sold

“ My colleagues and I have been watching MOOC developments since their earliest days, aware that they offer interesting opportunities to explore new educational spaces in which the scale goes way beyond large on-campus classes, and where assessment has to be thought about differently. By producing a MOOC all these people come together in the same place to give a combination of a structured learning process and a community.

Prof Jeff Haywood



The Truth About Cats and Dogs



#CatDogMooc
JMICAWE

Royal (Dick) School of Veterinary Studies and EDINA



This course will provide an insight into what it means to effectively manage an online presence (digital footprint) and why this is important.

The course will focus on the different dimensions of a digital footprint, including developing an effective online presence, managing your privacy, creating opportunities for networking, and greater relevance or impact.

Academics involved

Instructors: Louise Connolly, Nicola Osborne

Platform:

Coursera

2,126
learners

31
certificates sold

Digital Footprint



**DIGITAL
FOOTPRINT**



“As a truly global university, we seek to benefit society as a whole. We build on a long and proud history of advancing knowledge for the public good – from our foundation in 1583, through our flourishing of talent and sceptical enquiry in the Enlightenment of the 18th century to the present day. As one of the world’s top universities, the breadth and depth of our scholarship, learning and teaching and our entrepreneurial and creative culture enables us to make a positive difference to people’s lives – both close to home and globally.

University of Edinburgh Strategic Vision 2020



Academics involved

Instructors: Donald George, Juliette Summers (St Andrews University) David Erdal (St Andrews), Rick Woodward, Jelte Harmsma

Teaching Staff: Adolfo Mejia Montero, Jack Spencer, Justus Laugwitz

Platform:

Edx

7,437
learners

170
certificates sold

School of Economics

Most Western societies are proud of being political democracies, but democracy rarely operates within the firm.

There is widespread interest around the world in cooperatives as an alternative to the capitalist corporation, particularly since the financial crash of 2008. Economics and other social sciences can focus and sharpen the debate on cooperatives. Having taken the course, students will be better placed to participate in public discussion on cooperatives, or to join a cooperative or even start a new one.



Economic Democracy: The Cooperative Alternative



Statistics: Unlocking the World of Data



EdSTATSx
#EdSTATSx
#statsx

Data is everywhere, from the media to the health sciences, and from financial forecasting to engineering design. It drives our decisions, and shapes our views and beliefs. But how can we make sense of it?

This course introduces some of the key ideas and methods of statistics, the discipline that allows us to analyse and interpret the data that underpins modern society.

In this course, you will explore the key principles of statistics for yourself, using interactive applets, and you will learn to interpret and evaluate statistical data encountered in everyday life.



Academics involved

Instructors: Mairi Walker, Ruth King, Chris Sangwin, Francesca Iezzi, Bruce Worton

Platform: Edx

15,835
learners 147
certificates sold

“The University of Edinburgh is undergoing a digital transformation, we aim to be a world leader in online learning and to offer an outstanding student experience to as diverse a group of students as possible.

Gavin MacLachlan, CIO

School of History, Classics and Archaeology

This MOOC seeks to deploy the expertise of Edinburgh historians in order to inform public debate about the US elections of 2016.

The subject matter of each week connects with original research being undertaken at the university; each week there will be an exploration of a landmark election campaign, alongside consideration of longer-term developments in American politics, as well as connections between history and present-day events.

Academics involved

Instructors: Frank Cogliano, David Silkenat, Fabian Hilfrich, Robert Mason

Platform: Coursera

1,638
learners 28
certificates sold

“We make our MOOCs for reputation, for fun, to try new ways of teaching, not for money. Online learning is an increasingly important method of teaching, opening up high-quality education opportunities to people around the world, we now see MOOCs as a powerful tool in our widening participation armoury.

Prof Tim O’Shea



The Making of the American President



Intellectual Humility: Theory

#IHmooc
EdiPhilOnline

The world needs more people who are willing to consider the possibility that their political, religious and moral beliefs just might be mistaken.

But why do people seem so drawn toward intellectual arrogance, and what exactly is intellectual humility?

In this course, philosophers, psychologists and theologians explore possible definitions and present the latest research on how to measure humility.

School of Philosophy, Psychology and Language Sciences

Academics involved

Instructors: Professor Duncan Pritchard, Dr Ian Church, Dr Emma Gordon

Teaching Staff: Dr Simon Fokt, Joost Ziff

Platform: Coursera

12,143 learners 120 certificates sold

“ Before we consider how intellectual humility might be scientifically studied or applied to our day-to-day lives, we need to know what intellectual humility is. That's a question myself and others have been wrestling with for several years; we hope that the fruit of that labor can be found in this course.

Dr Ian Church

media hopper
CREATE CC BY-4.0

School of Philosophy, Psychology and Language Sciences

Being intellectually humble seems virtuous, yet so often we end up being dogmatic and close-minded.

Do our own biases and emotions hold us back? And do some cognitive dispositions and personality traits give people an edge at being more intellectually humble?

Experts in psychology, philosophy and education present exciting new research on these questions, with results which have important, real-world applications.

Intellectual Humility: Science

#IHmooc
EdiPhilOnline

Academics involved

Instructors: Professor Duncan Pritchard, Dr Ian Church, Dr Emma Gordon

Teaching Staff: Dr Simon Fokt, Joost Ziff

Platform: Coursera

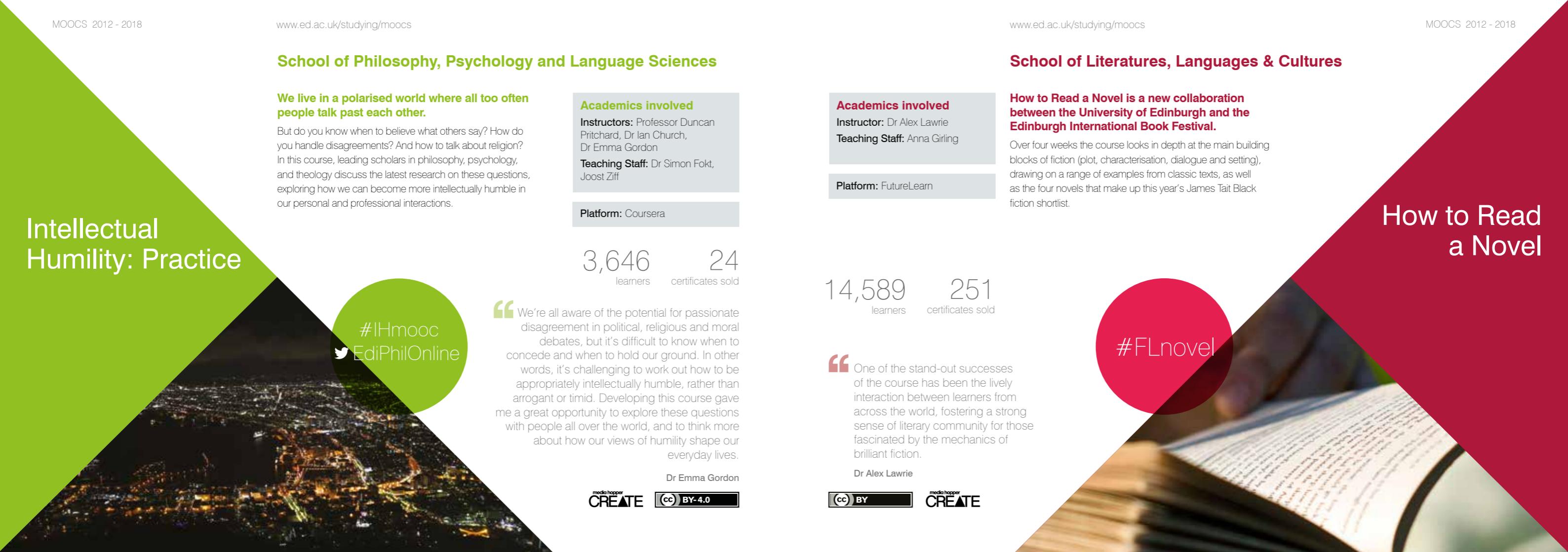
2,540 learners 38 certificates sold

“ This course could not have come at a better time – opinion bubbles, fake news... We really need to learn more about being open to other views and accepting that we can be wrong. Making this course involved some serious soul-searching, too.

Dr Simon Fokt

CC BY-4.0 media hopper
CREATE

Intellectual Humility: Practice



#IHmooc
EdiPhilOnline

School of Philosophy, Psychology and Language Sciences

We live in a polarised world where all too often people talk past each other.

But do you know when to believe what others say? How do you handle disagreements? And how to talk about religion? In this course, leading scholars in philosophy, psychology, and theology discuss the latest research on these questions, exploring how we can become more intellectually humble in our personal and professional interactions.

Academics involved

Instructors: Professor Duncan Pritchard, Dr Ian Church, Dr Emma Gordon

Teaching Staff: Dr Simon Fokt, Joost Ziff

Platform: Coursera

3,646 learners 24 certificates sold

“We're all aware of the potential for passionate disagreement in political, religious and moral debates, but it's difficult to know when to concede and when to hold our ground. In other words, it's challenging to work out how to be appropriately intellectually humble, rather than arrogant or timid. Developing this course gave me a great opportunity to explore these questions with people all over the world, and to think more about how our views of humility shape our everyday lives.

Dr Emma Gordon



School of Literatures, Languages & Cultures

How to Read a Novel is a new collaboration between the University of Edinburgh and the Edinburgh International Book Festival.

Over four weeks the course looks in depth at the main building blocks of fiction (plot, characterisation, dialogue and setting), drawing on a range of examples from classic texts, as well as the four novels that make up this year's James Tait Black fiction shortlist.

Academics involved

Instructor: Dr Alex Lawrie

Teaching Staff: Anna Girling

Platform: FutureLearn

14,589 learners 251 certificates sold

“One of the stand-out successes of the course has been the lively interaction between learners from across the world, fostering a strong sense of literary community for those fascinated by the mechanics of brilliant fiction.

Dr Alex Lawrie



How to Read a Novel



Bonnie Prince Charlie & the Jacobites



#fljacobites

Edinburgh College of Art

The Jacobites were followers of the deposed Stuart monarch, James VII & II. For over 60 years, they championed the restoration of the Stuart dynasty, culminating in defeat at the Battle of Culloden in 1746.

This course explores the material culture of the Stuart dynasty, their Jacobite followers and their opponents, using iconic objects drawn primarily from National Museums Scotland.



Academics involved

Instructors: Professor Viccy Coltman, David Forsyth

Teaching Staff: Emily Goetsch, Hannah Lund, Christine McLean

Platform: FutureLearn

8,392
learners 407
certificates sold

“ As Academic Lead on the Bonnie Prince Charlie and the Jacobites MOOC I found myself interacting with a much larger population of learners than I typically encounter in the lecture theatre or the seminar room.

I was repeatedly impressed with their appetite for learning and in some cases, their existing expertise. They kept me on my toes throughout the live period and made me look and think again about material I have been working on for years in some instances

Viccy Coltman

media hopper
CREATE

School of Education

Introduction to Social Research Methods

Introduction to Social Research Methods is about trying to understand the ways researchers go about trying to find things out about people, societies, and cultures. Aimed at a broad range of people with a general interest in social and educational research, this course provides a unique opportunity to develop understanding of the methodological, conceptual, and ethical issues that underpin research methods.

Academics involved

Instructors: Dr Jeremy Knox, Dr Jen Ross, Dr Rory Ewins, Dr Philippa Sheail, Dr Kate Orton-Johnson, Dr Karen Gregory

Platform: Edx

1,595
learners 38
certificates sold

“ Combining this MOOC with our accredited Masters programme is an exciting and innovative development that is pushing at the boundaries of our teaching practice

Dr Jeremy Knox

media hopper
CREATE

Introduction to Social Research Methods



Climate Change: Carbon Capture & Storage



School of Engineering and School of Geosciences

Learn about the untapped potential of Carbon Capture and Storage (CCS), a climate mitigation technology capable of protecting the atmosphere from an excess of carbon dioxide.

Reducing global carbon emissions may be the most important challenge facing humanity today – and many experts believe that it can only be achieved if CCS is used worldwide.

This MOOC introduces the challenges and technology solutions to make fossil fuels ‘safer to use’. It is timely as world leaders sets a global action plan to put the planet on track to limit global warming. Evidence-based arguments and the latest insights from academic research from several disciplines provide an unbiased view on this important technology.

“

We are developing this exciting MOOC for a wide audience with a keen interest in understanding how to reconcile energy, fossil fuels and climate change

Mathieu Lucquiaud

The cross-disciplinary nature of CCS, mixing engineering with geology, economics, law and politics, makes CCS a challenging yet fascinating field

Mark Wilkinson

media hopper
CREATE

Edinburgh Data Science

Data are currently revolutionising the life sciences, leading to the new disciplines of precision medicine and stratified healthcare.

There is, thus, a growing demand for data skills in the NHS, in healthcare related industries and in academic medical schools worldwide. This MOOC aims to address this need by introducing the wider audience to data-intensive medicine and its impact on healthcare.



Data Science in Stratified Healthcare and Precision Medicine



Managing Markets for Health




School of Social and Political Science

Universal health coverage means that all people have access to the promotive, preventive, curative, rehabilitative and palliative healthcare they need, without incurring financial hardship.

This course aims to provide learners with the analytics and tools they need to advocate for, and perhaps implement, progressive change that can help achieve this crucial aspect of the UN Sustainable Investment Goals. A core theme is based on the recognition that the private healthcare sector accounts for a substantial proportion of demand in most countries and regions of the world. The course shows how private providers can be effectively engaged in the pursuit of global health priorities, and better utilised in advancing universal health coverage.

“

The private sector currently provides up to 80 percent of care in many countries. How we leverage this capacity is a crucial question for those seeking to achieve the Sustainable Development Goals, including Universal Health Coverage.

This course will give you the knowledge and skills you need to play an informed part in that process

Dr. Mark Hellowell



Academics involved

Instructors: Dr Mark Hellowell
Dr Emily Adrión

Platform: Edx

Partnerships

Career Management for Early Career Academics Researchers

Through this MOOC researchers will be encouraged to consider what they want out of a career; to explore the academic career path and many other career options.

The MOOC is a collaboration between the Careers Services at the University of Edinburgh, University of Glasgow, and University of Sheffield.

Academics involved

Dr Sharon Maguire,
Katrina Gardner, Dr Darcey Gillie

Platform: FutureLearn



“

We hope this MOOC will be particularly useful for researchers who are unable to access any on campus careers support due to other commitments, or for researchers in institutions that are unable to offer any dedicated careers support to these group

Dr Sharon Maguire



Supercomputing

This supercomputing course has been developed by the Partnership for Advanced Computing in Europe (PRACE) and the Edinburgh Parallel Computing Centre (EPCC) at The University of Edinburgh in collaboration with SURFsara from The Netherlands.

PRACE coordinates many of the largest supercomputers in Europe, so has world-leading experience of the benefits that supercomputing can bring.

EPCC is a PRACE partner, operates the UK national supercomputer ARCHER and has a long history of developing and delivering training.

“

I particularly enjoyed the supercomputing course and have derived much useful further thinking from the course content. Another great part of that particular course was the quality of the discussions which was superb in my opinion

David Mackereth,
Supercomputing MOOC learner

List of courses

- iA Programar! Una introducción a la programación
- Animal Behaviour and Welfare
- Artificial Intelligence Planning
- Astrobiology and the Search for Extraterrestrial Life
- AstroTech: The Science and Technology behind Astronomical Discovery
- Bonnie Prince Charlie and the Jacobites
- Chicken Behaviour and Welfare
- Climate Change: Carbon Capture and Storage (coming soon)
- Code Yourself! An Introduction to Programming
- Critical thinking in Global Challenges *
- Data Science in Stratified Healthcare and Precision Medicine (coming soon)
- Digital Footprint
- Economic Democracy: The Cooperative Alternative
- EDIVET: Do you have what it takes to be a veterinarian?
- E-Learning and Digital Cultures *
- Equine Nutrition *
- Football: More than a Game
- Fundamentals of Music Theory
- How to Read a Novel
- Intellectual Humility: Practice (coming soon)
- Intellectual Humility: Science
- Intellectual Humility: Theory
- Introduction to Marketing: Tools to Set Enterprises Apart
- Introduction to Philosophy
- Introduction to Philosophy (Chinese)
- Introduction to Social Research Methods
- Learning for Sustainability: Developing your personal ethic *
- Managing Markets For Health*
- Mental Health: A Global Priority *
- Philosophy and the Sciences
- Philosophy and the Sciences: Introduction to the Philosophy of Cognitive Sciences
- Philosophy and the Sciences: Introduction to the Philosophy of Physical Sciences
- Philosophy, Science and Religion: Philosophy and Religion
- Philosophy, Science and Religion: Science and Philosophy
- Photography: A Victorian Sensation *
- Research Data Management and Sharing
- Scotland and Wales Vote 2016: Understanding the Devolved Elections
- Sit Less, Get Active
- Social Wellbeing
- Statistics: Unlocking the World of Data
- Stereoscopy: An Introduction to Victorian Stereo Photography *
- The Clinical Psychology of Children and Young People *
- The Discovery of the Higgs Boson
- The Making of the US President: A Short History in Five Elections
- The Truth About Cats and Dogs
- Towards Brexit? The UK's EU Referendum *
- Towards Scottish Independence? Understanding the Referendum *
- Understanding Obesity
- Understanding the UK's 2015 General Election *
- Warhol *

* Course currently not active
